

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
UNTD:010Serial No.  
09/602,789Applicant  
EDWARD A. HUBBARD**RECEIVED**

JAN 18 2001

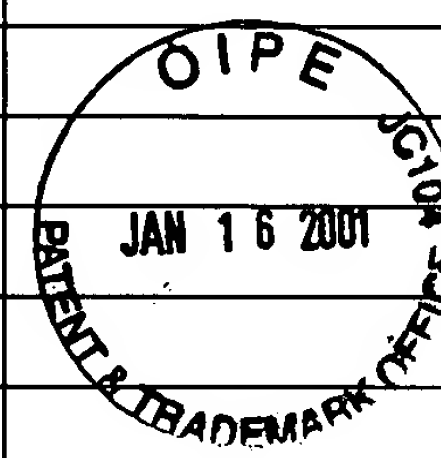
Filing Date:  
JUNE 23, 2000Group:  
~~2756~~ **2141** Technology Center 2100U.S. Patent Documents  
See Pages 1-2Foreign Patent Documents  
See Page 2Other Art  
See Page 3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<b>INC</b>	A1	4,669,730	06/02/87	Small	273	138	
	A2	4,815,741	03/28/89	Small	273	138	
	A3	5,056,019	10/08/91	Schultz et al.	<del>364</del>	<del>405</del>	
	A4	5,332,218	07/26/94	Lucey	273	138	
	A5	5,483,444	01/09/96	Heintzeman et al.	<del>364</del>	<del>401</del>	
	A6	5,598,566	01/28/97	Pascucci et al.	<del>395</del>	<del>750</del>	
	A7	5,703,949	12/30/97	Rosen	380	21	
	A8	5,802,062	09/01/98	Gehani et al.	370	465	
	A9	5,815,793	09/29/98	Ferguson	455	3.1	
	A10	5,826,265	10/20/98	Van Huben et al.	707	8	
	A11	5,862,325	01/19/99	Reed et al.	<del>395</del>	<del>200.3T</del>	
	A12	5,884,072	03/16/99	Rasmussen	<del>395</del>	<del>600</del>	
	A13	5,909,540	06/01/99	Carter et al.	<del>395</del>	<del>182.02</del>	
	A14	5,916,024	06/29/99	Von Kohorn	463	40	
	A15	5,918,229	06/29/99	Davis et al	707	10	
	A16	5,921,865	07/13/99	Scagnelli et al.	463	17	
	A17	5,937,192	08/10/99	Martin	<del>395</del>	<del>705</del>	
	A18	5,958,010	09/28/99	Agarwal et al.	709	224	
	A19	5,966,451	10/12/99	Utsumi	380	49	
	A20	5,970,469	10/19/99	Scroggie et al.	705	14	
	A21	5,970,477	10/19/99	Roden	705	32	
	A22	5,987,506	11/16/99	Carter et al.	709	213	
<b>INC</b>	A23	6,003,065	12/14/99	Yan et al.	709	201	

Examiner: **Kenneth Coulter**Date Considered: **4/18/03**

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

paper #2



**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
UNTD:010Serial No.  
09/602,789Applicant  
EDWARD A. HUBBARDFiling Date:  
JUNE 23, 2000

Group:

~~2756~~ **2141**

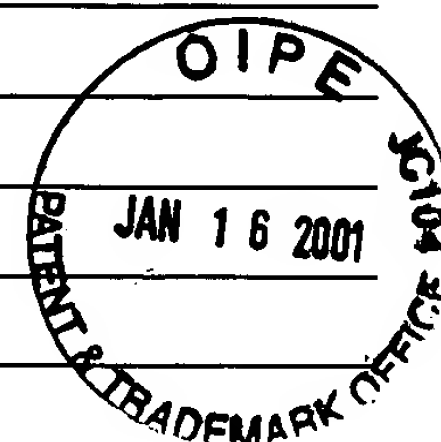
Technology Center 2100

**RECEIVED**

JAN 18 2001

U.S. Patent Documents  
See Pages 1-2Foreign Patent Documents  
See Page 2Other Art  
See Page 3**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
JMC	A24	6,009,455	12/28/99	Doyle	709	201	
	A25	6,014,634	01/11/00	Scroggie et al.	705	14	
	A26	6,024,640	02/15/00	Walker et al.	463	17	
	A27	6,026,474	02/15/00	Carter et al.	711	202	
	A28	6,052,785	04/18/00	Lin et al.	713	201	
	A29	6,058,393	05/02/00	Meier et al.	707	10	
	A30	6,061,660	05/09/00	Eggleston et al.	705	14	
	A31	6,070,190	05/30/00	Reps et al.	709	224	
	A32	6,094,654	07/25/00	Van Huben et al.	707	8	
	A33	6,112,225	08/29/00	Kraft et al.	709	202	
	A34	6,112,304	08/29/00	Clawson	713	156	
	A35	6,112,181	08/29/00	Shear et al.	705	1	
	A36	6,115,713	09/05/00	Pascucci et al.	707	10	
	A37	6,148,335	11/14/00	Haggard et al.	709	224	
	A38	6,148,377	11/14/00	Carter et al.	711	147	
JMC	A39	6,151,684	11/21/00	Alexander et al.	714	4	



paper #2

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

Examiner: Kenneth CoulterDate Considered: 4/18/03

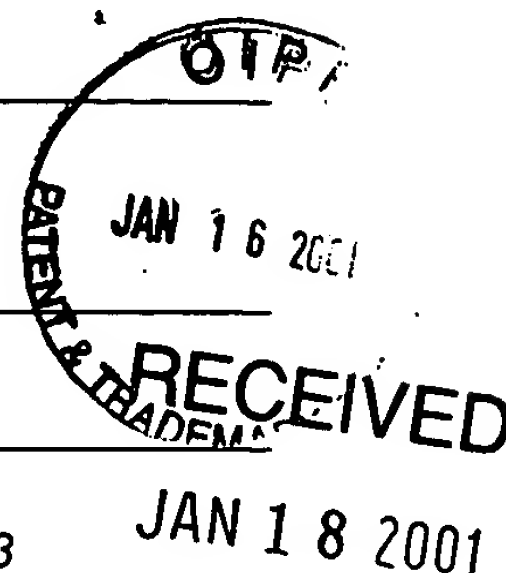
EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

List of Patents and Publications for Applicant's

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Atty. Docket No.  
UNTD:010Serial No.  
09/602,789Applicant  
EDWARD A. HUBBARDFiling Date:  
JUNE 23, 2000Group:  
2756 2141U.S. Patent Documents  
See Pages 1-2Foreign Patent Documents  
See Page 2Other Art  
See Page 3**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Technology Center 2100

Exam. Init.	Ref. Des.	Citation
11/11	C1	Brian Hayes, "Computing Science: Collective Wisdom," <i>American Scientist</i> , March-April 1998
	C2	Steve Lawrence, et al., "Accessibility of information on the web," <i>Nature</i> , Vol. 400, pp. 107-109, July 1999
	C3	Steve Lawrence, et al., "Searching the World Wide Web," <i>Science</i> , Vol. 280, pp. 98-100, April 3, 1998
	C4	Steve Lawrence, et al., "Context and Page Analysis for Improved Web Search," <i>IEEE Internet Computing</i> , pp. 38-46, July-August 1998
	C5	Vasken Bohossian, et al., "Computing in the RAIN: A Reliable Array of Independent Nodes," California Institute of Technology, September 24, 1999
	C6	"A White Paper: The Economic Impacts of Unacceptable Web-Site Download Speeds," Zona Research, Inc., pp. 1-17, April 1999
	C7	Peter J. Sevcik, "The World-Wide-Wait Status Report," <i>Northeast Consulting Resources, Inc.</i> , Global Internet-Performance Conference, October 14, 1999
	C8	"White Paper: Max, and the Objective Measurement of Web Sites," WebCriteria, Version 1.00, pp. 1-11, March 12, 1999
	C9	Renu Tewari, et al., "Design Considerations for Distributed Caching on the Internet," pp. 1-13, May 1999
11/11	C10	"Measuring and Improving Your E-Commerce Web Site Performance with Keynote Perspective," Keynote Systems, pp. 1-15, March 29, 2000
	C11	Sullivan, et al., "A New-Major SETI Project Based On Project Serendip Data and 100,000 Personal Computers," Proc of the Fifth Intl Conf on Bioastronomy IAU Colloq No. 161, pp. 729-734, 1997

#2  
paper

repeat

Examiner: Kenneth Coulter

Date Considered: 4/18/03

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)

JAN 08 2002

Atty. Docket No.

UNTD:010

Serial No.

09/602,789

List of Patents and Publications for Applicant's

Applicant

EDWARD A. HUBBARD

**RECEIVED**

JAN 14 2002

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:

JUNE 23, 2000

Group:

Technology Center 2100  
2756 2141

U.S. Patent Documents

See Page 1

Foreign Patent Documents

N/A

Other Art

See Pages 1-2

**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
ILN	A40	5,964,832	10/12/99	Kisor	709	202	
	A41	5,655,081	08/05/97	Bonnell et al.	<del>395</del>	<del>200.32</del>	
	A42	5,978,594	11/02/99	Bonnell et al.	<del>395</del>	<del>837</del>	
ILN	A43	5,740,549	04/14/98	Reilly et al.	705	14	

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						

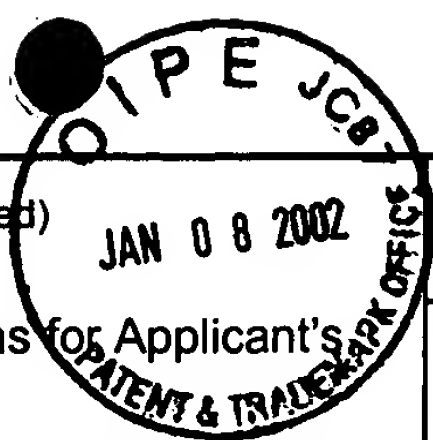
**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
ILN	C12	Caronni, et al., "How Exhausting is Exhaustive Search?" RSA Laboratories' CryptoBytes, Vol. 2, No. 3, pp. 2-6, Jan-Mar 1997.
	C13	Bricker, et al., "Condor Technical Summary," Computer Sciences Dept., University of Wisconsin, Version 4.1b, pp.1-10, Jan. 28, 1992.
	C14	Fields, "Hunting for Wasted Computing Power-New Software for Computing Networks Puts Idle PC's to Work," 1993 Research Sampler, University of Wisconsin, pp. 1-5, 1993.
	C15	Anderson, et al., "SETI@home: Internet Distributed Computing for SETI," A New Era in Bioastronomy, ASP Conference Series, Vol. 213, pp. 511-517, 2000.
	C16	Bowyer, et al., "Twenty Years of Serendip, the Berkeley SETI Effort: Past Results and Future Plans," Astronomical and Biochemical Origins and the Search for Life in the Universe, pp. 667-676, 1997.
	C17	Litzkow, et al., "Condor - A Hunter of Idle Workstations," The 8 <sup>th</sup> International Conf. on Distributed Computing Systems, pp.104-111, 1988.
ILN	C18	Hamidzadeh, et al., "Dynamic Scheduling Techniques for Heterogeneous Computing Systems," Concurrency: Practice and Experience, Vol. 7(7), pp. 633-652, 1995.

Examiner: Kenneth CoulterDate Considered: 4/20/03

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

paper #3

**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:010Serial No.  
09/602,789

List of Patents and Publications for Applicant's

Applicant  
EDWARD A. HUBBARD**RECEIVED**

JAN 14 2002

**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group: **Technology Center 2100**  
2756U.S. Patent Documents  
See Page 1Foreign Patent Documents  
N/AOther Art  
See Pages 1-2**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
<i>INC</i>	C19	Grimshaw, et al., "The Legion Vision of a Worldwide Virtual Computer," Communications of the ACM, Vol. 40, No. 1, pp. 39-45, 1997.
	C20	Catlett, et al., "Metacomputing," Communications of the ACM, Vol. 35, No. 6, pp. 44-52, 1992.
	C21	Foster, et al., "Globus: A Metacomputing Infrastructure Toolkit," The International Journal of Supercomputer Applications and High Performance Computing, Vol. 11, No. 2, pp. 115-128, 1997.
	C22	Mutka, et al., "The Available Capacity of a Privately Owned Workstation Environment," Performance Evaluation 12 (1991) pp. 269-284.
	C23	Sullivan, et al., "A New Major SETI Project Based on Project Serendip Data and 100,000 Personal Computers," Astronomical and Biochemical Origins and the Search for Life in the Universe, 5 <sup>th</sup> International Conference on Bioastronomy, IAU Colloquium No. 161, pp. 729-734, 1996.
	C24	Gelernter, "Domesticating Parallelism," IEEE Computer, Aug. 1986, 19(8), pp. 12-16.
<i>INC</i>	C25	Goldberg, et al., "A Secure Environment for Untrusted Helper Applications-Confining the Wily Hacker," 6 <sup>th</sup> USENIX Security Symposium, pp. 1-13, 1996.

*Paper #3*Examiner: *Kenneth Coulter*Date Considered: *4/20/03*

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:010Serial No.  
09/602,789

List of Patents and Publications for Applicant's

Applicant  
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group:  
~~2756~~ **2141**U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
See Page 1-2**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
<i>11ne</i>	A44	5,893,075	4/6/99	Plainfield et al.	705	14	
	A45	5,887,143	3/23/99	Saito et al.	<del>395</del>	<del>200</del>	
	A46	5,768,504	6/16/98	Kells et al.	<del>395</del>	187.01	
	A47	5,842,219	11/24/98	High, Jr. et al.	707	103	
	A48	6,374,254	4/16/02	Cochran et al.	707	102	
<i>11nc</i>	A49	5,402,394	3/28/95	Turski	368	10	

**RECEIVED****FEB 25 2003**

Technology Center 2100

**Foreign Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	01/73545	4 OCT 01	WO			English
	B2	01/14961	1 MAR 01	WO			English

**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
<i>11nc</i>	C26	distributed.net: The fastest computer on Earth: Feb 08, 1999, <a href="http://web.archive.org/web/19990221230053/http://distributed">http://web.archive.org/web/19990221230053/http://distributed</a>
<i>11nc</i>	C27	London et al., "POPCORN - A Paradigm for Global-Computing", THESIS UNIVERSITY JERUSALEM, June 1998 (1998-06)
<i>11nc</i>	C28	Takagi H. et al., "Ninflet: a migratable parallel objects framework using Java", JAVA FOR HIGH-PERFORMANCE NETWORK COMPUTING, Syracuse, NY, USA, 2/1998, Vol. 10, No. 11-13, pp 1063-1078.
<i>11nc</i>	C29	Waldspurger, C.A. et al., "Spawn: a distributed computational economy" IEEE TRANSACTIONS ON SOFTWARE ENGINEERING, IEEE INC., NY, US, 2/1992, Vol. 18, No. 2, pp. 103-117

Examiner: *Kenneth Coulter*Date Considered: *4/18/03*

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Paper #4*



**Form PTO-1449** (modified)Atty. Docket No.  
UNTD:010Serial No.  
09/602,789

List of Patents and Publications for Applicant's

Applicant  
EDWARD A. HUBBARD**INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Filing Date:  
JUNE 23, 2000Group:  
~~2756~~ 2141U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 1Other Art  
See Page 1-2**Other Art (Including Author, Title, Date, Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
11111	C30	Neary, M. O., et al., "Javelin: Parallel computing on the internet" FUTURE GENERATIONS COMPUTER SYSTEMS, ELSEVIER SCIENCE PUBLISHERS, Amsterdam, NL, 10/1999, Vol. 15, no. 5-6, pp. 661-664
11111	C31	Foster, Ian et al., "The Physiology of the Grid," This is a DRAFT document and continues to be revised. Version 2/17/2002
11111	C32	Douceur, John R. et al., "A Large-Scale Study of File-System Contents," Microsoft Research, Redmond, WA 98052, May 1999
11111	C33	Bolosky, William J. et al., "Feasibility of a Serverless Distributed File System Deployed on an Existing Set of Desktop PCs," Microsoft Research, Redmond, WA 98052, June 2000

paper #4

RECEIVED

FEB 25 2003

Technology Center 2100

Examiner: Kenneth Coulter

Date Considered: 4/18/03

EXAMINER: initial if reference considered, whether or not citation is in conformance with MPEP609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.